INTERNATIONAL SEARCH REPORT

Int___onal application No. PCT/SE 2004/000290

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F16L 55/045
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F15D, F16L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim			
A	US 4154264 A (SCHALLER), 15 May 1979 (15.05.1979), abstract, figures	1-11		
A	US 4846228 A (BLANSCET), 11 July 1989 (11.07.1989), abstract, figures	1-11		
A	US 2003000588 A1 (KUYKENDAL ET AL), 2 January 2003 (02.01.2003), abstract, figures	1-11		
4	US 3430659 A (H.I. HENDERSON), 4 March 1969 (04.03.1969), abstract, figures	1-11		
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	Further documents are listed in the continuation of Box	k C.	X See patent family annex.			
 *	Special categories of cited documents:					
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"E"	earlier application or patent but published on or after the international filing date		and and anything the invention			
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	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		step when the document is taken alone			
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"P"	document published prior to the international filing date but later than the priority date claimed	***	being obvious to a person skilled in the art			
Date		<u>*&*</u>	document member of the same patent family			
	of the actual completion of the international search	Date of	of mailing of the international search report			
19	May 2004					
			10-06-2004			
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	US	4154264	A	15/05/1979	NONE
	US	4846228	A	11/07/1989	NONE
]	US	2003000588	Al	02/01/2003	NOME
	US	3430659		04/03/1969	NONE

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